

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	25	((("3045984") or ("3347303") or ("4028246") or ("4029578") or ("4072296") or ("4072613") or ("4118313") or ("4372860") or ("5091118") or ("5425924"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 15:50
S2	17786	((422/1) or (422/28) or (422/121) or (422/186.07) or (422/186.08) or (422/211) or (422/213) or (422/220) or (422/230) or (422/231) or (422/240) or (422/256) or (422/257) or (422/305) or (422/311) or (422/905) or (210/627) or (210/629) or (210/749) or (210/760) or (210/150) or (210/63R) or (210/63Z) or (210/285) or (210/304) or (210/320) or (261/133) or (261/28) or (261/30) or (261/76) or (261/108) or (261/121.1) or (261/123) or (261/dig. 42) or (261/dig.70) or (366/3) or (366/10) or (366/101)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/06 14:50
S3	3223025	plate or baffle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:31
S4	3031500	purif\$ or treat\$ or disinfect\$ or sterili\$ or decontaminat\$ or agitat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:33
S5	3718965	contact\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:35
S6	1234712	mix or mixing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:35
S7	6538911	S4 or S5 or S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:36

## EAST Search History

S8	1347312	S7 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 10:51
S9	4004	S8 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S10	2	("6447733").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/15 11:45
S11	131	(conrad-wayne-e.in.) or (conrad-wayne-ernest.in.) or (conrad-helmut-gerhard.in.) or (phillips-richard-stanley.in.) or (phillips-andrew-richard-henry.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 14:13
S12	25	((("3045984") or ("3347303") or ("4028246") or ("4029578") or ("4072296") or ("4072613") or ("4118313") or ("4372860") or ("5091118") or ("5425924"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/22 08:31
S13	41459	venturi	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:02
S14	2	S13 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:02
S15	274164	(ultra-violet) or (ultra adj viole) or (uv)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:27
S16	117125	(titanium adj dioxide) or ("Tio.sub.2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:28
S17	1	S15 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:30

## EAST Search History

S21	43697	(ultra adj sonic) or (ultra-sonic) or (sonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S23	17795	((422/1) or (422/28) or (422/121) or (422/186.07) or (422/186.08) or (422/211) or (422/213) or (422/220) or (422/230) or (422/231) or (422/240) or (422/256) or (422/257) or (422/305) or (422/311) or (422/905) or (210/627) or (210/629) or (210/749) or (210/760) or (210/150) or (210/63R) or (210/63Z) or (210/285) or (210/304) or (210/320) or (261/133) or (261/28) or (261/30) or (261/76) or (261/108) or (261/121.1) or (261/123) or (261/dig. 42) or (261/dig.70) or (366/3) or (366/10) or (366/101)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/22 08:59
S24	3226794	plate or baffle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:59
S25	3035594	purif\$ or treat\$ or disinfect\$ or sterili\$ or decontaminat\$ or agitatt\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:59
S26	3724152	contact\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:59
S27	1236589	mix or mixing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:59
S28	6547206	S25 or S26 or S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:59
S29	1349410	S28 and S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:59

## EAST Search History

S30	4007	S29 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 08:59
S31	3028	S30 and water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 09:04
S32	130	S31 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 09:04
S33	58	S32 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 09:04
S34	25	((("3045984") or ("3347303") or ("4028246") or ("4029578") or ("4072296") or ("4072613") or ("4118313") or ("4372860") or ("5091118") or ("5425924"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 15:50
S35	46069	(ultra adj sonic) or (ultra-sonic) or (sonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S36	18095	((422/1) or (422/28) or (422/121) or (422/186.07) or (422/186.08) or (422/211) or (422/213) or (422/220) or (422/230) or (422/231) or (422/240) or (422/256) or (422/257) or (422/305) or (422/311) or (422/905) or (210/627) or (210/629) or (210/749) or (210/760) or (210/150) or (210/63R) or (210/63Z) or (210/285) or (210/304) or (210/320) or (261/133) or (261/28) or (261/30) or (261/76) or (261/108) or (261/121.1) or (261/123) or (261/dig. 42) or (261/dig.70) or (366/3) or (366/10) or (366/101)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 15:50
S37	3347294	plate or baffle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50

## EAST Search History

S38	3161276	purif\$ or treat\$ or disinfect\$ or sterili\$ or decontaminat\$ or agitat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S39	3879181	contact\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S40	1289761	mix or mixing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S41	6804839	S38 or S39 or S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S42	1409542	S41 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S43	4152	S42 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 15:50
S44	62	S43 and S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 14:18
S45	138	(conrad-wayne-e.in.) or (conrad-wayne-ernest.in.) or (conrad-helmut-gerhard.in.) or (phillips-richard-stanley.in.) or (phillips-andrew-richard-henry.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 16:34
S46	22484	(xanthan adj gum) or (xanthan adj Gum) with density	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/26 14:05

## EAST Search History

S47	5054	(disinfect\$ or biocidal or germicidal or germicide or sterili\$) adj (composition)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/26 14:04
S48	20	S47 same S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/26 14:04
S49	22484	(xanthan adj gum) or (xanthan adj Gum) with (density)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/26 14:05
S50	86	((xanthan adj gum) or (xanthan adj Gum)) with (density)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/26 14:21
S51	0	S50 same S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/26 14:06
S52	2	("5003060").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/26 14:21
S53	48342	(ultra adj sonic) or (ultra-sonic) or (sonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S54	18415	((422/1) or (422/28) or (422/121) or (422/186.07) or (422/186.08) or (422/211) or (422/213) or (422/220) or (422/230) or (422/231) or (422/240) or (422/256) or (422/257) or (422/305) or (422/311) or (422/905) or (210/627) or (210/629) or (210/749) or (210/760) or (210/150) or (210/63R) or (210/63Z) or (210/285) or (210/304) or (210/320) or (261/133) or (261/28) or (261/30) or (261/76) or (261/108) or (261/121.1) or (261/123) or (261/dig. 42) or (261/dig.70) or (366/3) or (366/10) or (366/101)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 10:12

## EAST Search History

S55	3452697	plate or baffle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S56	3272851	purif\$ or treat\$ or disinfect\$ or sterili\$ or decontaminat\$ or agitat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S57	4019533	contact\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S58	1337628	mix or mixing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S59	7033327	S56 or S57 or S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S60	1464873	S59 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S61	4303	S60 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S62	65	S61 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:12
S63	141	(conrad-wayne-e.in.) or (conrad-wayne-ernest.in.) or (conrad-helmut-gerhard.in.) or (phillips-richard-stanley.in.) or (phillips-andrew-richard-henry.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:14

## EAST Search History

S64	39	S63 and S56 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 10:14
S65	453191	"3" same inclined	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:48
S66	252533	inclined same (baffle or plate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:49
S67	130227	inclined with (baffle or plate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:49
S68	12121	inclined adj (baffle or plate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:49
S69	2488	inclined adj baffle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:49
S70	2918867	gas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:50
S71	678	S69 same S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:50



## EAST Search History

S72	18430	((422/1) or (422/28) or (422/121) or (422/186.07) or (422/186.08) or (422/211) or (422/213) or (422/220) or (422/230) or (422/231) or (422/240) or (422/256) or (422/257) or (422/305) or (422/311) or (422/905) or (210/627) or (210/629) or (210/749) or (210/760) or (210/150) or (210/63R) or (210/63Z) or (210/285) or (210/304) or (210/320) or (261/133) or (261/28) or (261/30) or (261/76) or (261/108) or (261/121.1) or (261/123) or (261/dig. 42) or (261/dig.70) or (366/3) or (366/10) or (366/101)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/06 14:50
S73	9	S71 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/06 14:50
S74	66171	("261"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 10:25
S75	1083	S74 and catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 10:26
S76	942	S75 and gas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 10:26
S77	142	S76 and (scrubbing or scrubb or scrubber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 10:45
S79	4	("4115313").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:46

## EAST Search History

S80	2	("4118313").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:46
S81	6	(S77) and (ultraviolet or UV)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 11:26
S82	315	(S74) and (ultraviolet or UV)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 11:26
S83	34244	(gas) with (scrubbing or scrubb or scrubber or scrub)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:33
S84	330	S83 same ((ultraviolet) or (UV) or (ultra-violet) or (ultra adj violet))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 11:49
S85	47200	("55"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:08
S86	195	(gas adj scrubbing) and (S85)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 11:49
S87	3	(S86) and ((ultraviolet) or (UV) or (ultra-violet) or (ultra adj violet))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 11:50

## EAST Search History

S88	47200	("55"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:09
S89	26	(S88) and ((ultra adj sonic) or (ultra-sonic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:10
S90	199536	(titanium adj dioxide) or ("TiO.sub.2") or (TiO2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:41
S91	34244	(gas) with (scrubbing or scrubb or scrubber or scrub)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:33
S92	10	S91 and S90 and S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:41
S93	2	("5730784").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 13:41
S94	657660	(titanium adj dioxide) or ("TiO.sub.2") or (TiO2) or (titanium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:41
S95	1204	S91 and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:43

## EAST Search History

S96	125	S91 same S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 13:43
S97	4714422	baffle or plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 14:15
S98	465899	(removing or removable or remove) same (S97)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 14:17
S99	10668	S98 and "210"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 14:19
S10 0	208987	(removing or removable or remove) with (S97)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 14:18
S10 1	4283	S100 and "210"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 14:18
S10 2	7379	((removable) adj (baffle or plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 14:18
S10 3	177	S102 and "210"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/01 14:19

## EAST Search History

S10 4	159	(conrad-wayne-e.in.) or (conrad-wayne-ernest.in.) or (conrad-helmut-gerhard.in.) or (phillips-richard-stanley.in.) or (phillips-andrew-richard-henry.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 14:17
S10 5	55232	(ultra adj sonic) or (ultra-sonic) or (sonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 14:18
S10 6	19287	((422/1) or (422/28) or (422/121) or (422/186.07) or (422/186.08) or (422/211) or (422/213) or (422/220) or (422/230) or (422/231) or (422/240) or (422/256) or (422/257) or (422/305) or (422/311) or (422/905) or (210/627) or (210/629) or (210/749) or (210/760) or (210/150) or (210/63R) or (210/63Z) or (210/285) or (210/304) or (210/320) or (261/133) or (261/28) or (261/30) or (261/76) or (261/108) or (261/121.1) or (261/123) or (261/dig. 42) or (261/dig.70) or (366/3) or (366/10) or (366/101)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/03 14:18
S10 7	3783700	plate or baffle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 14:18